Certificate of Compliance

Certificate: 80061127 **Master Contract:** 220991

Project: 80061127 **Date Issued:** 2021-03-03

Issued To: **Texas Instruments, Inc.**
12500 TI Blvd
MS 8701
Dallas, Texas, 75243
United States

Attention: Saleem Marwat

The products listed below are eligible to bear the CSA Mark shown with adjacent indicator▲

Issued by: Martin Buchanan
Martin Buchanan, P. Eng.

PRODUCTS

CLASS - C907330 - ELECTRONIC COMPONENTS Optoisolators and non-optical isolating devices

Component Acceptance of Optoisolator-Like Capacitive Coupling Devices:

Device (SOIC 8 N D-8)	Ratings kV	Ratings °C	Clauses of Standard/Notice	Internal Creepage (mm)	Internal Dist Thru (mm)	External Creep/Clear (mm)
ISO1640BD ISO1641BD ISO1640BQDQ1 ISO1641BQDQ1	3.0	125	CSA 62368-1:19 5.4.3, 5.4.2, 5.4.4.4, 5.4.7, 5.4.8, 5.4 1 5 3, 5.4.9.1, 5.4.1.4 61010-1-12+A1 6.7.1.3, 6.7 2 1 or tbK.1 to K.4, 6.7.2.2.1, 6.7.2.2.2 or tbK.9, A.17, tbK.5x1.6, K.6x1.6, K.7x1.6, 10 IEC	-	-	4.0

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Device (SOIC 8 N D-8)	Ratings		Clauses of Standard/Notice	Internal		External
	kV	˚C		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
			62368-1:2018 Ed. 3 5.4.3, 5.4.2, 5.4.4.4, 5.4.7, 5.4.8, 5.4.1.5.3, 5.4.9.1, 5.4.1.4 61010-1 3rd Ed+A1 6.7.1.3, 6.7.2.1 or tbK.1 to K.4, 6.7.2.2.1, 6.7.2.2.2 or tbK.9, A.17, tbK.5x1.6, K.6x1.6, K.7x1.6, 10 EN 62368-1:2020 5.4.3, 5.4.2, 5.4.4.4, 5.4.7, 5.4.8, 5.4.1.5.3, 5.4.9.1, 5.4 1.4			

Suffix R (R may be placed before Q1) is optional and used for reel shipping packing type.

Notes:
1. The devices meet basic insulation requirements for 400Vrms and reinforced insulation requirements for 200Vrms for CSA 62368-1:19. IEC 62368-1:2018 Ed. 3 and EN62368-1:2020. (pollution degree 2, material group III)
2. For CSA 61010-1-12+A1 and IEC 61010-1 3rd Ed. the devices meet 300Vrms for basic insulation and 150V for reinforced insulation based on 61010-1 Cl 14.1 a) for use in 61010-1 end products because they meet the requirements of the 62368-1 evaluation. The risk management process is not applicable to these clauses. (pollution degree 2, material group III)
3. Case material: 600Vrms with erosion depth 0.037mm, material group I.
4. Evaluated by thermal cycling and other tests for a temperature rating of 125C.
5. The creepage and clearance has been evaluated for altitudes ≤ 2000m, in pollution degree 2 and overvoltage category II except where specified above. (pollution degree 2, material group III).

These devices are Component Accepted as components for use in other Certified equipment where the suitability of the combination shall be determined by investigation in the final application.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 62368-1:19 - Audio/video, information and communication technology equipment - Part 1: Safety requirements (Bi-national Standard with ANSI/UL 62368-1-2019)
Clauses 6.7.1.3, 6.7.2.1 or K.1 to K.4, 6.7.2.2.1, 6.7.2.2.2 or tbK.9, A.17, tbK.5x1.6, K.6x1.6, K.7x1.6, 10
of
CAN/CSA C22.2 No. 61010-1-12, UPD1: 2015, UPD2: 2016, AMD1: 2018 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements (Tri-national standard, with UL 61010-1 Ed. 3 (2012), AMD1: 2018 and ANSI/ISA-61010-1 (82.02.01))

IEC 61010-1:2010 Ed. 3.1:2017 01 - Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 1: General Requirements

IEC 62368-1:2018 Ed. 3	- Audio/video, information and communication technology equipment - Part 1: Safety requirements
EN 62368-1:2020	- Audio/video, information and communication technology equipment - Part 1: Safety requirements (IEC 62368-1:2018)

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